[0019] According to an exemplary aspect of the present invention, there is provided a method comprising receiving a message including a service request and indicative of a demand of a proximity service, detecting said demand of said proximity service from said message, and preventing, based on said demand of said proximity service, a transmission of an end entity context related to said service request.

[0020] According to an exemplary aspect of the present invention, there is provided an apparatus comprising transmitting means configured to transmit a radio resource control connection establishment request indicative of a demand of a proximity service, receiving means configured to receive a radio resource control connection setup message including information indicative of radio resources allocated for said proximity service, and deciding means configured to decide, whether said radio resources are authorized, based on said receiving of said radio resource control connection setup message.

[0021] According to an exemplary aspect of the present invention, there is provided an apparatus comprising receiving means configured to receive a radio resource control connection establishment request indicative of a demand of a proximity service, allocating means configured to allocate radio resources for said proximity service, and transmitting means configured to transmit a radio resource control connection setup message including information indicative of said radio resources.

[0022] According to an exemplary aspect of the present invention, there is provided an apparatus comprising receiving means configured to receive a message including a service request and indicative of a demand of a proximity service, detecting means configured to detect said demand of said proximity service from said message, and preventing means configured to prevent, based on said demand of said proximity service, a transmission of an end entity context related to said service request.

[0023] According to an exemplary aspect of the present invention, there is provided a computer program product comprising computer-executable computer program code which, when the program is run on a computer (e.g. a computer of an apparatus according to any one of the aforementioned apparatus-related exemplary aspects of the present invention), is configured to cause the computer to carry out the method according to any one of the aforementioned method-related exemplary aspects of the present invention.

[0024] Such computer program product may comprise (or be embodied) a (tangible) computer-readable (storage) medium or the like on which the computer-executable computer program code is stored, and/or the program may be directly loadable into an internal memory of the computer or a processor thereof.

[0025] Any one of the above aspects enables an efficient reduction of management effort and traffic load related to radio resource allocation for proximity services to thereby solve at least part of the problems and drawbacks identified in relation to the prior art.

[0026] In particular, according to exemplary embodiments of the present invention, techniques are provided for radio resource allocation for D2D discovery and communication in LTE without having to establish all radio access bearers (RAB), i.e., without bringing up all packet data network (PDN) connections and bearers, when they are not necessary. Furthermore, according to exemplary embodiments of the present invention, existing "always on" principles in LTE are retained.

[0027] By way of exemplary embodiments of the present invention, there is provided radio resource allocation for proximity services. More specifically, by way of exemplary embodiments of the present invention, there are provided measures and mechanisms for realizing radio resource allocation for proximity services.

[0028] Thus, improvement is achieved by methods, apparatuses and computer program products enabling/realizing radio resource allocation for proximity services.

BRIEF DESCRIPTION OF THE DRAWINGS

[0029] In the following, the present invention will be described in greater detail by way of non-limiting examples with reference to the accompanying drawings, in which

[0030] FIG. **1** is a block diagram illustrating an apparatus according to exemplary embodiments of the present invention,

[0031] FIG. **2** is a block diagram illustrating an apparatus according to exemplary embodiments of the present invention,

[0032] FIG. **3** is a block diagram illustrating an apparatus according to exemplary embodiments of the present invention,

[0033] FIG. **4** is a block diagram illustrating an apparatus according to exemplary embodiments of the present invention,

[0034] FIG. **5** is a block diagram illustrating an apparatus according to exemplary embodiments of the present invention,

[0035] FIG. **6** is a block diagram illustrating an apparatus according to exemplary embodiments of the present invention,

[0036] FIG. **7** is a schematic diagram of a procedure according to exemplary embodiments of the present invention,

[0037] FIG. **8** is a schematic diagram of a procedure according to exemplary embodiments of the present invention,

[0038] FIG. **9** is a schematic diagram of a procedure according to exemplary embodiments of the present invention,

[0039] FIG. **10** shows a schematic diagram of signaling sequences according to exemplary embodiments of the present invention,

[0040] FIG. **11** shows a schematic diagram of signaling sequences according to exemplary embodiments of the present invention,

[0041] FIG. **12** is a block diagram alternatively illustrating apparatuses according to exemplary embodiments of the present invention.

DETAILED DESCRIPTION OF DRAWINGS AND EMBODIMENTS OF THE PRESENT INVENTION

[0042] The present invention is described herein with reference to particular non-limiting examples and to what are presently considered to be conceivable embodiments of the present invention. A person skilled in the art will appreciate that the invention is by no means limited to these examples, and may be more broadly applied.